(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



A FERRI CHILORY IN BICKED ITALI BONK ACHA CINC AN INCERNIC CHILOROGO INCERNIC CONTRACTOR CONTRACTOR CONTRACTOR

(43) International Publication Date 1 July 2004 (01.07.2004)

PCT

(10) International Publication Number WO 2004/055104 A1

(51) International Patent Classification⁷: 5/00, C08L 67/02, 67/04

C08K 3/36,

(21) International Application Number:

PCT/US2003/035746

(22) International Filing Date:

11 November 2003 (11.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2002-362757 13 December 2002 (13.12.2002)

- (71) Applicant (for all designated States except US): 3M IN-NOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KOBAYASHI, Mitsuaki [JP/JP]; 685-264, Hodokubo, Hino-shi, Tokyo 191-0042 (JP). TORIUMI, Naoyuki [JP/JP]; 5-5-402, Matsugae-cho, Sagamihara, Kanagawa 228-0813 (JP).
- (74) Agents: BARDELL, Scott A., et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

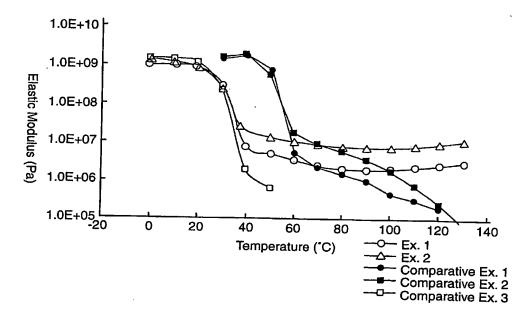
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ALIPHATIC POLYESTER RESIN COMPOSITION



(57) Abstract: To an aliphatic polyester resin, a plasticizer and hydrophilic silica particles are added in the amount within a range from 10 to 100 parts by weight based on 100 parts by weight of the total amount of the aliphatic polyester resin and the plasticizer. The polyester resin compositions exhibit flexibility and high heat resistance.

